Consolidating Legacy PREP Equipment

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Charge from Bob T. Mar 24, 2006

1) Establish a core list of legacy PREP equipment for the current and projected future research program. This analysis should include consultation with the current and projected future stakeholders of the research program and be sensitive to the support issues of legacy equipment.

2) Develop a plan to deploy the core equipment portfolio throughout the targeted physical space, which includes the FCC3 PREP "ready room", the second level of the 3rd floor mezzanine, and the "PREP annex" which will likely be the KTeV counting house. The first level of the 3rd floor mezzanine should be emptied and be made available to store the cabinets that currently populate FCC3 hall space.

3) plan developed and executed by about Sept 1, 2006

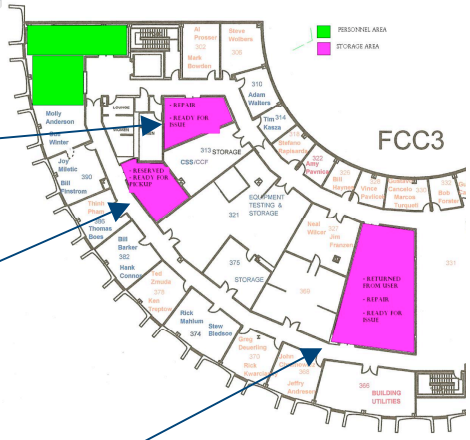
Present PREP inventory

- 31000 total items
  - NIM and CAMAC bins & power supplies (FASTBUS already gone)
  - NIM and CAMAC modules
  - HV power supplies (LRS 1440, Droege PWC supplies, …)
  - Misc low voltage supplies
  - Misc gear (DART, 8mm drives, CAMAC branch highway cables, …)
- Initial real estate
  - PREP area on FCC3
  - FCC375 repair / return area
  - FCC3 Mezzanine (2 floors)
  - MC8 “dead storage” (meson area)
  - Gear in the field (KTeV, CDF, D0, MINOS, MiniBoone, E907, …)
- Changes to real estate
  - FCC301 ready / issue (was network inventory)
  - KTeV hall counting room (replacement for MC8?)
  - Make space for hall cabinets on Mezzanine first floor

FCC3 PREP spaces

FCC301
Repair
Issue

~1000 items excessed from User
Returned, Repair, Return and Ready
For Issue at FCC Feb. 05 - Jun. '06



FCC329
Reserved
Pick-up

FCC329 Mezzanine











MC8

Used as “dead” storage
Radiation area - limited access
Rollup door - indoor loading
But no dock - can’t use lift truck
Not the finest space available
- wet during damp months
- no dehumidification in summer
- Vermin (mice, rats, raccoons, etc.) intrusion

Now mainly empty
- 25 skids, ~1400 HEP items, excessed in Mar-Jun '06

“Where have all the Jorways gone?”

KTeV Counting Room

Raised computer floor
- Floor load limit is a problem

Free access, heated, lockable

No door - outdoor loading in winter?

No dock

Still full of KTeV PREP electronics

Better space - but

Still not available to us - need a workable plan and
- PPD signoff on our “lease”

Strategy

- Make room - Get rid of the big things first
  - ~1000 NIM and CAMAC bins & power supplies is beyond any conceivable need.

    Excess older crate and power supplies to simplify instrument repair's job.

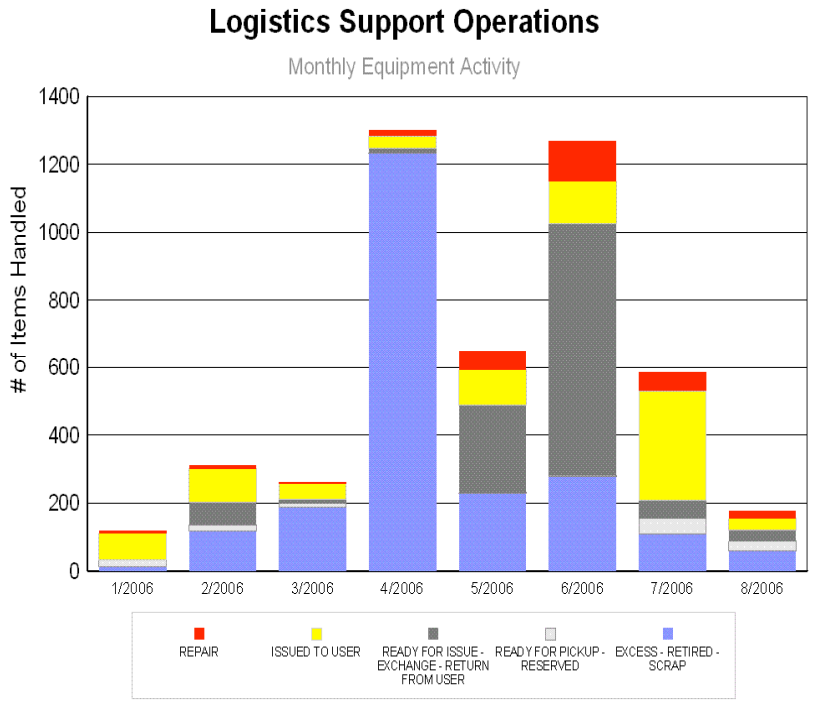
    Keep more than enough (~300 each + those now in service)
  - These dominate MC8 + FCC3 1st floor mezzanine space
  - 2nd floor mezzanine space has mainly NIM and CAMAC modules

    These are diverse and small

    The space is hardly usable for any other purpose.
- Customer service is first priority
  - Palletize & excess gear as manpower is available
  - MC8 is a radiation area (behind E907 / Mtest) access delayed until summer shutdown.
- Make space in FCC375 & PREP area first.
- Defer module decisions with potential programmatic impact

Recent Monthly Activity

- 2400 items excessed in 2006
- 1200+ in April was cleanout of MC8 now mainly empty
- 6 desks now in the PREP area equipment displaced -> FCC301 -> Mezzanine
- Freeing up FCC375 and compressing FCC301 leaves Mezzanine nearly as full as before



Summary & Questions

- What to do next
  - Keep plugging
  - Move on to the next round of excessable gear
    - volume/item much lower
    - User impact still not a big issue (just keep some)

- Questions
  - Should we repopulate MC8 or wait for KTeV?
  - How long is the present NIM / CAMAC gear supportable?
    - No software support
    - Cannibalism for spare parts
  - User demand is much lower but still significant
    - MINOS, NOVA, E907, SciBoone, other small expts
    - Test beam, test stands
  - Someday CDF and D0 will turn-in (ugh!)